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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

OAK
SUPPLEMENT

PHOTOGRAPHIC INTERPRETATION REPORT

KH-4 MISSION 1116

IPIR NUMBER 4

OAK SUPPLEMENT PART II

20 APRIL - 8 MAY 1972

**Handle via
Talent-Keyhole
Channels Only**

25X1C

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TCS-21249/72

JULY 1972

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WARNING

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**TARGET CATEGORIES
AND
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**

1. STRATEGIC SSM

Deployed Strategic SSM Facilities (A)

2. MISSILE RANGES

Missile Ranges: Strategic SSM/Space Facilities (P)

Missile Ranges: Air-Launched Missile Facilities (Q)

Missile Ranges: Naval-Launched Missile Facilities (R)

Missile Ranges: Tactical SSM Facilities (S)

Missile Ranges: SAM/AMM Facilities (T)

3. AIR DEFENSE MISSILES

Deployed AMM Facilities (B)

Deployed SAM Facilities (D)

4. ELECTRONICS/COMMUNICATIONS

Deployed Communication/Electronic/Radar Facilities (C)

5. AIR

Air Base Facilities (E)

6. NAVAL

Naval Base Facilities (F)

7. GROUND

Ground Force Facilities (G)

8. TACTICAL SSM

Deployed Tactical SSM Facilities (H)

9. LOGISTICS

Military Logistics Facilities (K)

10. NUCLEAR ENERGY

Atomic Energy Facilities (O)

11. CBR

CBR Facilities (V)

12. INDUSTRY

Strategic Weapons Industrial Facilities (J)

General Purpose Weapons Industrial Facilities (L)

Non-Military Industrial Facilities (N)

Communication/Electronic/Radar R&D Facilities (U)

13. MISCELLANEOUS

Non-Military Logistics Facilities (M)

Miscellaneous/Unidentified Facilities (Z)

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

WARNING NOTICE
Sensitive Intelligence Sources
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PREFACE

PREFACE

THIS IS THE SECOND AND FINAL OAK SUPPLEMENT REPORT ON MISSION 1116. FOR ADDITIONAL PREFACE DETAILS. SEE FIRST OAK SUPPLEMENT

Attachments

TOP SECRET RUFF

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		COUNTRY																							
		USSR*	ALBANIA	BULGARIA	CZECHOSLOVAKIA	EAST GERMANY	HUNGARY	POLAND	ROMANIA	YUGOSLAVIA	CHINA	MONGOLIA	NORTH KOREA	INDONESIA	EGYPT	SYRIA	CUBA**	INDIA	NORTH VIETNAM	AFGHANISTAN	LAOS	SUDAN	SOUTH VIETNAM	TOTALS***	
SAM sites	SA-1	56																						56	Confirmed
																									Probable
																									Possible
	SA-2	1550	5	19	25	58	17	40	18	10	67	7	45											1861	Confirmed
											2		1												Probable
																									Possible
	SA-3	26			1	3	1	1	2		10		1											45	Training
		407				25	7	14																453	Confirmed
																									Probable
	SA-4	3						1																1	Possible
																								3	Training
																									Confirmed
	SA-5																								Probable
		5			1	6	3																	15	Possible
		88																						88	Training
	SA-6																								Confirmed
																								Probable	
																								Possible	
SAM Support Facilities (SA-2 and SA-3)	1																							Training	
	234	1	5	6	11	4	8	3	2	1	2	7											1	Confirmed	
	3				2				1		1												7	Probable	
																								Possible	
																								Training	

*Includes dummy SA-2 and SA-3 in USSR

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CHINA, COMMUNIST
COMMO/ELEC/RADAR FACILITIES

SIGNIFICANT RESULTS

25X1D

PENG-LAI PROB AW RDR FAC

25X1A

37-49-N 120-55-E

25X1D

25X1D

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

8 NM EAST OF PENG-LAI ON THE YELLOW SEA COASTLINE.
THE NEWLY IDENTIFIED FACILITY CONTAINS TWO OCCUPIED RADAR
POSITIONS, TWO CONTROL BUILDINGS, AND ONE SUPPORT BUILDING. A
SMALL SUPPORT AREA 300 METERS (984 FEET) SW OF THE RADAR
POSITIONS CONTAINS FOUR PROBABLE BARRACKS AND FOUR
STORAGE/SUPPORT BUILDINGS. THE RADARS WERE NOT PRESENT IN

25X1D

25X1D

TGT DIAM: 400 M (1,312 FT). ELEV: 30 M (100 FT).

25X1D

ELECTRONIC ORDER OF BATTLE:

1 POSS HEIGHT FINDER

1 RADAR

25X1D

IMAGE DERIVED COORDINATES:

MAP SOURCE REFERENCE:
200-0381-14HL

25X1D

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CHINA, COMMUNIST
AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

CHANG-CHI AIRFIELD

25X1A 25X1D 25X1D
43-57- N 087-04- E

25X1D

STATUS: OPERATIONAL

AIR ORDER OF BATTLE:

25X1D

1 707-TYPE AIRCRAFT 1 COLT
(CRASHED OFF SE RUNWAY END) 23 SMALL SWEEP-WING

LUNG-YU AIRFIELD

25X1A 25X1D
29-06- N 119-10- E

25X1D

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

4.5 NM NORTH OF LUNG-YU.

THE NEWLY IDENTIFIED FACILITY CONSISTS OF A 2,001- X 32-METER
(6,565- X 105-FOOT) NORTH/SOUTH SERVICEABLE CONCRETE RUNWAY,
TWO CONCRETE ALERT APRONS, AND TWO AIRCRAFT DISPERSAL AREAS
CONTAINING EIGHT REVETMENTS (ONE DISPERSAL AREA AT EACH END
WITH FOUR REVETMENTS EACH). NO SERVICE OR SUPPORT FACILITIES
ARE DISCERNIBLE. THE TAXIWAYS CONNECTING THE DISPERSAL AREAS
WITH THE RUNWAY WERE STILL UNDER CONSTRUCTION.

25X1D

TGT DIAM: 2,438 M (8,000 FT). ELEV: 275 M (900 FT).

AIR ORDER OF BATTLE:

25X1D

NONE DISCERNIBLE

IMAGE DERIVED COORDINATES:

25X1D

MAP SOURCE REFERENCE:
200-0493-20

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CHINA, COMMUNIST
AIR BASE FACILITIES

25X1D

25X1A

25X1D

25X1D

MA-HUI-LING AIRFIELD

29-29- N 115-48- E

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

2.4 NM NORTH OF MA-HUI-LING.

THE NEWLY IDENTIFIED FACILITY WAS IN A VERY EARLY STAGE OF CONSTRUCTION WITH ONLY ENGINEERING SCARS AND SURVEY LINES FOR THE NE/SW RUNWAY PRESENT. FOUR CULVERTS WERE UNDER CONSTRUCTION ALIGNED ACROSS THE APPARENT CENTER LINE OF THE RUNWAY.

CONSTRUCTION SUPPORT AREAS ADJACENT TO THE AIRFIELD ARE LOCATED SE (28 BUILDINGS), WEST (37 BUILDINGS), EAST (TEN BUILDINGS), NW (SEVEN BUILDINGS), AND NORTH (17 BUILDINGS).

25X1D

TGT DIAM: 2,438 M (8,000 FT). ELEV: 91 M (300 FT).

IMAGE DERIVED COORDINATES:

MAP SOURCE REFERENCE:
200-0493-17HL

25X1D

25X1C
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CHINA, COMMUNIST
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1A

25X1D

25X1D

WU-LU-MU-CHI ARMOR INSTLN AL 1

43-28- N 087-17- E

STATUS: UNKNOWN

REMARKS:

AT LEAST SIX TUNNEL/REVTMENTS ARE ADJACENT TO THE POL SUPPORT
AREA.

25X1D

GROUND FORCE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

25X1D

25X1D

WU-LU-MU-CHI ARMY BARRACKS AL 7

25X1A

43-48- N 087-40- E

25X1D

STATUS: OCCUPIED

25X1D

GROUND FORCE ORDER OF BATTLE:

25X1D

25 VEHICLES (AT LEAST)

25X1D

25X1D

25X1D

WU-LU-MU-CHI ARMY BKS AL 20

25X1A

43-41- N 087-46- E

STATUS: OCCUPIED

25X1D

GROUND FORCE ORDER OF BATTLE:

10 POSS FA PIECES (AT
LEAST)

40 VEHICLES/PIECES OF EQUIP
(AT LEAST)

60 TRUCKS (AT LEAST)

25X1D

HANDLE VIA 25X1C
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CHINA, COMMUNIST
GROUND FORCE FACILITIES

25X1D

WU-LU-MU-CHI ARMY BKS AL 22

25X1D 25X1D
25X1A 43-30- N 087-10- E

STATUS:OCCUPIED

25X1D

GROUND FORCE ORDER OF BATTLE:

15 POSS CARGO TRUCKS

25X1D

WU-SHA-TA-LA ARMY BARRACKS AL 4

25X1D 25X1D
25X1A 42-12- N 087-18- E

25X1D

STATUS:OCCUPIED

GROUND FORCE ORDER OF BATTLE:

25X1D

10 VEHICLES (AT LEAST)

25X1D

25X1C

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CHINA, COMMUNIST
LOGISTICS

SIGNIFICANT RESULTS

25X1D

TU-LU-FAN TRANSSHIPMENT DEPOT

25X1D

25X1D

25X1A 43-09- N 088-52- E

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

25 PIECES OF ROLLING STOCK
(AT LEAST)

25X1D

Next 1 Page(s) In Document Exempt

25X1C
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CHINA, COMMUNIST
INDUSTRY

25X1D

SIGNIFICANT RESULTS

KUANG-CHI SHIPYARD
[REDACTED]

25X1D 25X1D
25X1A 29-49- [REDACTED] N 115-30- [REDACTED] E

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

25X1D

2.5 NM SW OF KUANG-CHI AND 26.5 NM WNW OF CHIU-CHIANG.
THIS IS AN UPDATED DESCRIPTION. THE FACILITY CONSISTS OF ONE
LARGE CONSTRUCTION HALL, COVERED BUT OPEN-SIDED, WHICH MEASURES
[REDACTED] AND HAS TWO FOUR-TRACK
PROBABLE BUILDINGWAYS. IN ADDITION, THERE ARE 11 PROBABLE
SUBASSEMBLY BUILDINGS, FOUR PROBABLE STORAGE BUILDINGS, AND ONE
BUILDING UNDER CONSTRUCTION. TO THE SW, ADJACENT TO THE
CONSTRUCTION HALL, ARE TWO PROBABLE STORAGE BUILDINGS AND THREE
BUILDINGS UNDER CONSTRUCTION. A CANAL, APPROXIMATELY 198 X 54
METERS (651 X 177 FEET), WAS UNDER CONSTRUCTION LINKING THE
CHANG-CHIANG (YANGTZE RIVER) WITH THE LAKE IMMEDIATELY WEST OF
THE CONSTRUCTION HALL. ONE FINGER PIER [REDACTED]

25X1D

[REDACTED] IS ON THE LAKE. ONE OFFSHORE PIER AND ONE
FLOATING WHARF ARE ON THE CHANG-CHIANG. THREE CONSTRUCTION
SUPPORT AREAS WITH APPROXIMATELY 150 BUILDINGS ARE SCATTERED
THROUGHOUT THE AREA. DREDGING WAS CONTINUING IN THE LAKE, AND
SOME ACTIVITY WAS OBSERVED IN THE CANAL AREA UNDER CONSTRUCTION.
CONSTRUCTION MATERIALS WERE THROUGHOUT THE FACILITY

25X1D

NAVAL ORDER OF BATTLE:

25X1D

1 DREDGE

ASSOCIATED OBJECTS:

4 POSS TRUCKS

25X1D

[REDACTED]

25X1D

NAN-CHANG AIRFRAME PLT 320
[REDACTED]

25X1D 25X1D
25X1A 28-37- [REDACTED] N 115-55- [REDACTED] E

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

[REDACTED] -- AT THE PLANT

94 SINO A

26 CC-6

1 PROB SINO A

25X1C
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CHINA, COMMUNIST
INDUSTRY

25X2

25X1D

25X1D

NAN-CHANG NEW AFLD

25X1A

25X1D

28-38- N 115-55- E

STATUS: OPERATIONAL

REMARKS:

25X1A

FOR AIRCRAFT COUNT, SEE NAN-CHANG AIRFRAME PLANT 320 (BE

25X1D

25X1D

25X1A

25X1D

TAI-YUAN RADAR A COMPUTER PLT 785

37-51- N 112-29- E

25X1D

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

-- IN THE MOTOR POOL
80 VEHICLES/PIECES OF EQUIP
(AT LEAST)

25X1D

25X1C

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UNITED ARAB REPUBLIC
INDUSTRY

25X1D

SIGNIFICANT RESULTS

AL QAHIRAH AIRFRAME PLT HELWAN 36

25X1A

25X1D

25X1D

29-49-N 031-19-E

25X1D

STATUS: OPERATIONAL

25X1D ASSOCIATED OBJECTS:

-- AT NEW PLANT
4 SMALL SWEEP/DELTA-WING
(AT LEAST)

3 MEDIUM STRAIGHT-WING
2 MEDIUM HELICOPTERS

25X1D

-- AT OLD PLANT
12 SMALL STRAIGHT-WING (AT
LEAST)

25X1D

-- AT AIRFIELD
3 MEDIUM HELICOPTERS

25X1D

HANDLE VIA 25X1C
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KOREA, NORTH
AIR DEFENSE MISSILES

25X1D

SIGNIFICANT RESULTS

HUNGNAM SAM SITE A25-2

25X1A

25X1D

25X1D

39-48- N 127-32- E

STATUS: UNOCCUPIED

25X1D

REMARKS:

THIS IS THE FIRST TIME THIS SITE HAS BEEN OBSERVED UNOCCUPIED
SINCE EARLY

25X1D

KANGGYE SAM SITE A09-2

25X1A

25X1D

25X1D

40-58- N 126-37- E

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

ON THE EAST EDGE OF KANGGYE, 19 NM SE OF THE NORTH KOREA/CHINA
BORDER AT MANPO-UP.

THE NEWLY IDENTIFIED FACILITY CONSISTS OF FOUR REVETTED LAUNCH
POSITIONS, TWO PROBABLE LAUNCH POSITIONS, AND A CENTRAL
GUIDANCE AREA CONSISTING OF A PROBABLE VAN BUILDING AND A
PROBABLY REVETTED RADAR POSITION. NO SUPPORT FACILITIES WERE
OBSERVED.

25X1D

THE SITE WAS NOT PRESENT ON

25X1D

TGT DIAM: 305 M (1,000 FT). ELEV: 457 M (1,500 FT).

MISSILE ORDER OF BATTLE:

4 POSS SA-2 LAUNCHERS

ELECTRONIC ORDER OF BATTLE:

1 POSS FAN SONG

25X1D

IMAGE DERIVED COORDINATES:

25X1D

MAP SOURCE REFERENCE:
200-0290-18

25X1C
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KOREA, NORTH
AIR DEFENSE MISSILES

25X1D

25X1D

PYONGYANG SAM SITE C05-2

25X1A

25X1D

25X1D

39-15-N 126-06-E

STATUS: UNKNOWN

REMARKS:

FIVE LAUNCH POSITIONS AND THE CENTRAL GUIDANCE AREA WERE
UNOCCUPIED. ONE LAUNCH POSITION CONTAINED AN UNIDENTIFIED
OBJECT.

25X1D

MISSILE ORDER OF BATTLE:

NONE DISCERNIBLE

25X1D

ASSOCIATED OBJECTS:

1 UNID OBJECT

25X1D

25X1C
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KOREA, NORTH
AIR BASE FACILITIES

25X1D SIGNIFICANT RESULTS

KOKSAN AIRFIELD

25X1A

25X1D

25X1D

38-41- N 126-36- E

STATUS: UNDER CONSTRUCTION

REMARKS:

THE RUNWAY APPEARED TO BE INTERDICTED IN THREE PLACES BY SMALL
PILES OF CONSTRUCTION MATERIAL. THE PARALLEL TAXIWAY APPEARED
TO BE INTERDICTED IN FOUR PLACES BY PILES OF CONSTRUCTION
MATERIAL. CONSTRUCTION WAS CONTINUING ON THE TUNNELS.

AIR ORDER OF BATTLE:

NONE DISCERNIBLE

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KOREA, NORTH
GROUND FORCE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

NUCHON-NI MILITARY INSTALLATION

38-08-██ N 126-13-██ E

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:

6.1 NM SW OF NUCHON-NI.

THIS IS THE FIRST TIME THIS INSTALLATION HAS BEEN COVERED BY PHOTOGRAPHY OF THIS SCALE AND RESOLUTION. THE ROAD-SERVED INSTALLATION CONSISTS OF THREE AREAS.

25X1D

25X1D

AREA A, AT 38-08-██ N 126-13-██ E, CONTAINS SEVEN BARRACKS, ONE ADMINISTRATION BUILDING, ONE MESSHALL, THREE VEHICLE SHEDS, FOUR STORAGE/SUPPORT BUILDINGS, AND NINE WEAPONS POSITIONS.

25X1D

25X1D

AREA B, AT 38-08-██ N 126-13-██ E, CONTAINS THREE BARRACKS, FOUR SUPPORT BUILDINGS, AND EIGHT WEAPONS POSITIONS.

25X1D

25X1D

AREA C, AT 38-08-██ N 126-12-██ E, CONTAINS THREE BARRACKS, ONE ADMINISTRATION BUILDING, ONE L-SHAPED MESSHALL, FOUR VEHICLE SHEDS, 24 STORAGE/SUPPORT BUILDINGS, AND FOUR TUNNEL ENTRANCES.

GROUND FORCE ORDER OF BATTLE:

25X1D

4 PROB TANKS/ASSAULT GUNS 7 PROB VEHICLES
3 POSS TRACKED VEHICLES

25X1D

25X1C
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MONGOLIA
AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

SUMBER SUMA AIRFIELD

46-33- N 108-19- E

STATUS: OPERATIONAL

REMARKS:

CONSTRUCTION HAD BEGUN ON 16 ADDITIONAL HANGARETTES, BRINGING THE TOTAL NUMBER OF HANGARETTES AT THIS AIRFIELD TO 14 COMPLETED AND 35 UNDER CONSTRUCTION.

25X1D

AIR ORDER OF BATTLE:

11 POSS FISHBED
2 COLT

1 PROB MEDIUM HELICOPTER

25X1D

25X1C

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PAKISTAN
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

KARACHI ORD + QM DPO E DRIGH RD

25X1A

25X1D

25X1D

24-53- N 067-07- SE

STATUS: OCCUPIED

REMARKS:

25X1D

SMALL SCALE AND POOR RESOLUTION PRECLUDES A DETAILED
INTERPRETATION. HOWEVER, ACTIVITY APPEARS AT APPROXIMATELY THE
LEVEL OF

GROUND FORCE ORDER OF BATTLE:

25X1D

75 POSS VEHICLES/PIECES OF
EQUIP (APPROXIMATELY)

25X1D

25X1C
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POLAND
COMMO/ELEC/RADAR FACILITIES

SIGNIFICANT RESULTS

25X1D

GABIN RADIO BROADCAST STATION

25X1A

25X1D

25X1D

52-22- N 019-48- E

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

3 NM SE OF GABIN.

THIS NEWLY IDENTIFIED RADIO BROADCAST STATION CONSISTS OF ONE VERTICAL RADIATOR AND ONE CONTROL BUILDING UNDER CONSTRUCTION, AND TWO SUPPORT BUILDINGS. PROBABLE CONSTRUCTION VANS AND EQUIPMENT WERE IN THE AREA.

25X1D

IMAGE DERIVED COORDINATES:

MAP SOURCE REFERENCE:
200-0169-25

25X1D

25X1C

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POLAND
INDUSTRY

SIGNIFICANT RESULTS

25X1D

MIELEC AIRFRAME PLANT WSK

25X1A

50-18- N 021-27- E

25X1D

25X1D

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

-- AT THE PLANT

3 PROB COLT

1 SMALL STRAIGHT-WING

2 PROB COLT FUSELAGE

NUMEROUS SHIPPING CRATES

25X1D

-- AT THE AIRFIELD

35 PROB COLT

12 SMALL STRAIGHT-WING

4 SAILPLANES

25X1D

NUMEROUS SHIPPING CRATES --
AT THE AIRFIELD

25X1D

25X1C
HANDLE VIA
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TALENT-KEYHOLE
CONTROL SYSTEM ONLY

TCS-21249/72 - IPIR 4
KH-4 MISSION 1116

SOVIET UNION
MISSILE RANGES

SIGNIFICANT RESULTS

25X1D

KAPUSTIN YAR POSS INSTR FAC 2

25X1A

25X1D

25X1D

48-21- N 049-18- E

STATUS: UNKNOWN

25X1D

25X1D

PHYSICAL DESCRIPTION:

A POSSIBLE INSTRUMENTATION FACILITY WAS OBSERVED APPROXIMATELY 7.5 NM WEST OF THE REFERENCED COORDINATES ON

25X1D

THE CORRECT APPROXIMATE LOCATION OF THE FACILITY IS 48-20- N 049-07- E, 23 NM WNW OF KY/TEREKTY TRACKING FACILITY

25X1A

25X1D

25X1D

WHEN SEEN ON THE FACILITY CONTAINED ONE POSSIBLE STRUCTURE, TWO TRUCKS, TWO SMALL VAN TRAILERS, AND APPROXIMATELY FOUR OTHER VEHICLES/PIECES OF EQUIPMENT. NO EVIDENCE THAT THE LOCATION WAS OCCUPIED WAS OBSERVED ON

25X1D

25X1D

25X1D

25X1C
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SOVIET UNION
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D

RIGA SAM COMPLEX A20-5

25X1A

25X1D 25X1D
56-49- N 024-02- E

STATUS: OPERATIONAL

REMARKS:

ALL THREE LAUNCH SITES AND THE THREE SQUARE PAIR RADAR MOUNDS
WERE OCCUPIED FOR THE FIRST TIME.

25X1D

MISSILE ORDER OF BATTLE:

18 PROB SA-5 LAUNCHERS

25X1D

ELECTRONIC ORDER OF BATTLE:

3 PROB SQUARE PAIR RADARS

25X1D

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25X1C

SOVIET UNION
AIR BASE FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

NIZHNE-VARTOVSKIY AIRFIELD NW

60-56- N 076-32- E

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

2 NM NW OF NIZHNEVARTOVSKIY.
THIS NEWLY IDENTIFIED AIRFIELD CONSISTS OF A 2,012- X 38-M
(6,600- X 125-FT) NE/SW HARD-SURFACED RUNWAY WITH A TURNAROUND
AT EACH END. THE RUNWAY IS CONNECTED TO THE TERMINAL PARKING
AREA BY A HARD-SURFACED TAXIWAY.

ADDITIONAL FACILITIES CONSIST OF 28 HARD-SURFACED HELICOPTER
PADS, A TERMINAL WITH A CONTROL TOWER, AND AN OPERATIONS
BUILDING.

THE HOUSING AND SUPPORT AREA CONSISTS OF SIX SINGLE-STORY
FAMILY DWELLINGS, TEN SUPPORT BUILDINGS, AND A POL STORAGE AREA
CONSISTING OF AT LEAST TEN HORIZONTAL POL TANKS. THE ILS IS
JUST OFF OF THE NE END OF THE RUNWAY.

TGT DIAM: 2,012 M (6,600 FT). ELEV: 31 M (100 FT).

25X1D

AIR ORDER OF BATTLE:

2 LIGHT STRAIGHT-WING 6 HELICOPTERS
1 PROB HOUND

25X1D

IMAGE DERIVED COORDINATES:

25X1D

MAP SOURCE REFERENCE:
200-0099-19A

25X1A

25X1D

25X1D

25X1D

NOVOSIBIRSK NORTHEAST AFLD

55-05- N 082-59- E

STATUS: OPERATIONAL

25X1D

REMARKS:

CONSTRUCTION ACTIVITY CONTINUED IN THE AREA ADJACENT TO THE
SUPPORT AIRCRAFT PARKING APRON, FIRST SEEN IN

25X1C
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TCS-21249/72 - IPIR 4
KH-4 MISSION 1116

SOVIET UNION
AIR BASE FACILITIES

25X1D IT NOW CONSISTS OF AN H-SHAPED BUILDING IN THE LATE STAGES OF CONSTRUCTION, TWO BUILDINGS AT MIDSTAGE OF CONSTRUCTION AND AN EXCAVATION FOR ANOTHER BUILDING.

ASSOCIATED OBJECTS:

■■■■ AT THE PLANT

12 FLAGON

1 CAMP

4 POSS FLAGON

1 CAB

1 POSS DELTA/SWEPT-WING

2 SMALL STRAIGHT-WING

1 CAT/CUB

1 CAB FUSELAGE

25X1D

TALDY KURGAN AIRFIELD NORTHEAST

25X1D 45-07-■■■ N 078-27-■■■ E

25X1D

STATUS: OPERATIONAL

25X1A

REMARKS:

25X1D

FORTY-ONE FRESCO AND FIVE MIDGET WERE PRESENT AT THE FIELD WHEN IT WAS LAST OBSERVED ON ■■■■

25X1D

AIR ORDER OF BATTLE:

1 COKE

11 FAGOT/FRESCO/MIDGET

1 CLOD

9 POSS AIRCRAFT

25X1D

25X1C
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CONTROL SYSTEM ONLY

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KH-4 MISSION 1116

SOVIET UNION
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

NAKHODKA MILITARY SUPPLY DEPOT DX 1
[REDACTED]

25X1D

25X1D

25X1A

42-50-[REDACTED] N 132-55-[REDACTED] E
[REDACTED]

STATUS: OCCUPIED

REMARKS:

NUMEROUS STACKS OF EQUIPMENT WERE IN OPEN STORAGE.

25X1D

[REDACTED]

Next 3 Page(s) In Document Exempt

25X1C
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HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

TCS-21249/72 - IPIR 4
KH-4 MISSION 1116

SOVIET UNION
INDUSTRY

SIGNIFICANT RESULTS

25X1D

25X1A
25X1D

25X1D

FAUSTOVO ROCKET ENGINE TEST FACILITY

55-27- [REDACTED] N 038-31- [REDACTED] E

STATUS: OPERATIONAL

REMARKS:

UNIDENTIFIED CONSTRUCTION WAS NEWLY OBSERVED IN A CLEARED AREA
IN THE NE CORNER OF THE MISSILE PROPULSION TEST AREA.

25X1D

25X1D

25X1A
25X1D

25X1D

KAZAN AIRFRAME PLANT B-387

55-51- [REDACTED] N 049-02- [REDACTED] E

STATUS: OPERATIONAL

REMARKS:

TWO NEW HARDSTANDS WERE OBSERVED AT THE AIRFIELD. BOTH
HARDSTANDS WERE UNDER CONSTRUCTION AND WERE APPROXIMATELY 50
PERCENT COMPLETE.

25X1D

ASSOCIATED OBJECTS:

[REDACTED] -- AT THE PLANT
45 MEDIUM HELICOPTERS
10 FUSELAGE SHIPPING CRATES
(AT LEAST)

25X1D

25X1D

25X1D

KIYEV AIRFRAME PLT 473

25X1A

50-27- [REDACTED] N 030-23- [REDACTED] E

25X1D

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:

[REDACTED] -- AT THE PLANT
15 COKE

25X1D

[REDACTED] -- AT THE AIRFIELD

25X1D

2 COCK
3 COKE

1 COLT

25X1D

25X1C

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KH-4 MISSION 1116

SOVIET UNION
INDUSTRY

1 SMALL STRAIGHT-WING

25X1D

25X1D

25X1A

25X1D

KUYBYSHEV AC COMP A MSL COMP PLT 207

53-18- N 050-17- E

25X1D

STATUS: OPERATIONAL

REMARKS:

25X1D

THE FABRICATION BUILDING FIRST OBSERVED UNDER CONSTRUCTION IN
WAS EXTERNALLY COMPLETE. ACCESS ROADS TO THE
BUILDING HAD NOT BEEN COMPLETED, HOWEVER, AND THE BUILDING WAS
STILL OUTSIDE THE PLANT WALL, INDICATING IT HAS NOT YET REACHED
OPERATIONAL STATUS.

25X1D

25X1D

25X1A

25X1D

25X1D

KUYBYSHEV AIRFRAME PLT LENIN 18

53-13- N 050-18- E

STATUS: OPERATIONAL

REMARKS:

25X1D

FOOTINGS WERE OBSERVED FOR THE FIRST TIME ON THE NORTH SIDE OF
THE RUN-UP REVETMENT. TWO WAREHOUSES WERE RAZED IN THIS AREA
TO MAKE ROOM FOR THE NEW CONSTRUCTION. THE CONSTRUCTION
ACTIVITY IS SITUATED DIRECTLY OPPOSITE THE FINAL ASSEMBLY HALL
AND IS APPROXIMATELY AS WIDE AS THE HALL. THE AREA IS
SEPARATELY SECURED. AN ADMINISTRATION BUILDING, FIRST OBSERVED
UNDER CONSTRUCTION IN NEAR THE MAIN PARKING
APRON, IS NOW COMPLETE. A WAREHOUSE WEST OF THE FUEL MIX/BLEND
BUILDING, FIRST OBSERVED UNDER CONSTRUCTION IN
IS NOW COMPLETE.

25X1D

ASSOCIATED OBJECTS:

25X1D

2 BEAR
1 PROB BEAR ASW
1 CARELESS
2 CAT/CUB
2 COKE

4 CRATE
2 CLOD
6 CAB
1 COLT

25X1D

25X1C
HANDLE VIA
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SOVIET UNION
INDUSTRY

25X1D

MOSCOW/LYUBERTSY AFLD

25X1A

25X1D

25X1D

55-41- N 037-51- E

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

-- IN MAINTENANCE/REPAIR AREA

1 BADGER

7 CRATE

1 BEAGLE

2 MEDIUM HELICOPTERS

1 CAT/CUB

25X1D

-- IN MIL AREA

2 HOOK

8 MEDIUM HELICOPTERS

5 HOOK/HARKE

25X1D

-- IN KAMOV AREA

3 SMALL HELICOPTERS

25X1D

-- IN MAINTENANCE/REPAIR AREA

1 BADGER

4 CRATE

1 BEAGLE

5 MEDIUM HELICOPTERS

2 CAT/CUB

25X1D

-- IN MIL AREA

3 HOOK

6 MEDIUM HELICOPTERS

6 HOOK/HARKE

25X1D

-- KAMOV AREA

4 SMALL HELICOPTERS

25X1D

MOSKVA AC ENGINE PLANT 45

25X1A

25X1D

25X1D

55-46- N 037-43- E

25X1D

STATUS: OPERATIONAL

25X1D

REMARKS:

25X1D

FOOTINGS FOR A LARGE BUILDING WERE OBSERVED IN THE NE PART OF
THE PLANT WHERE THE TWO LARGE EXCAVATIONS WERE OBSERVED IN

25X1C
HANDLE VIA
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KH-4 MISSION 1116

SOVIET UNION
INDUSTRY

25X1D

25X1A

25X1D

25X1D

25X1D

MOSKVA AIRFRAME PLANT 30

55-47- N 037-32- E

25X1D

STATUS: OPERATIONAL

ASSOCIATED OBJECTS:

-- AT THE PLANT

1 SMALL SWEEP-WING

1 COOT

25X1D

-- AT THE AIRFIELD

1 CRATE

4 MEDIUM HELICOPTERS

2 SMALL STRAIGHT-WING

25X1D

25X1D

25X1A

25X1D

PETROKREPOST EXPL + SLD MTR P MOROZOV

59-59- N 030-59- E

25X1D

STATUS: OPERATIONAL

25X1D

REMARKS:

TWO BUILDINGS IN THE ROCKET MOTOR PRODUCTION AREA, FIRST
OBSERVED UNDER CONSTRUCTION IN [REDACTED] AND IDENTIFIED
AS POSSIBLE INERT OPERATIONS BUILDINGS ARE NOW COMPLETE.
HOWEVER, THE FACT THAT BOTH BUILDINGS HAVE BEEN SURROUNDED BY
HIGH EARTHEN BARRICADES INDICATES THEY WILL PROBABLY BE USED
FOR SOME FORM OF PROPELLANT PROCESSING. THE ABSENCE OF A
COMPLETED ACCESS ROAD TO BOTH BUILDINGS INDICATES NEITHER
BUILDING IS OPERATIONAL. A RECENTLY COMPLETED BUILDING IN THE
PROBABLE DOUBLE-BASE PRODUCTION AREA, PREVIOUSLY REPORTED AS A
ROLLING AND EXTRUSION BUILDING IN [REDACTED] NOW APPEARS
TO BE A PROBABLE DOUBLE-BASE PROCESSING BUILDING. TWO NEWLY
COMPLETED BUILDINGS IN THE SAME AREA WILL PROBABLY SERVE A
SIMILAR FUNCTION. IN THE NITROGLYCERINE PRODUCTION AREA, THE
MODIFICATION OF A UNIDENTIFIED SMALL CONVEYOR-SERVED BARRICADED
BUILDING FIRST OBSERVED IN [REDACTED] WAS NEARING
COMPLETION.

25X1D

25X1D

25X1C

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SOVIET UNION
INDUSTRY

25X1D

25X1A

25X1D

25X1D

RAMENSKOYE CENT AEROHYDRODYNAMIC INST

55-35- N 038-06- E

STATUS: OPERATIONAL

REMARKS:

SPHERICAL TANKS, NUMBERS 24, 25, 26, 27, AND 28, HAVE BEEN COMPLETED IN THE LARGE TANK FARM UNDER CONSTRUCTION IN THE NORTHERN AREA OF THE INSTITUTE. THE CIRCULAR SUPPORTS FOR TANKS, NUMBERS 29, 30, AND 31 ARE COMPLETE. THE LARGE TANK ON THE EAST SIDE OF THE LARGE BUILDING LOCATED DUE EAST OF THE NEW TANK FARM, OBSERVED UNDER CONSTRUCTION IN [REDACTED] APPEARED COMPLETE.

25X1D

25X1D

HANDLE VIA 25X1C
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SOUTH-WEST AFRICA
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

25X1A

25X1D

25X1D

SPES BONA AIRFIELD

21-50- S 015-54- E

STATUS: OPERATIONAL

PHYSICAL DESCRIPTION:

7 NM NNE OF KARIBIB.

25X1D

THIS NEWLY IDENTIFIED AIRFIELD CONSISTS OF A

N/S SERVICEABLE BLACKTOP RUNWAY, WITH A
PARALLEL N/S SERVICEABLE BLACKTOP TAXIWAY CONNECTED TO IT BY
TWO END-CONNECTING AND TWO CROSSOVER LINKS. THERE IS ALSO A
E/W SERVICEABLE

GRADED-EARTH/GRAVEL RUNWAY. THE RP IS THE CENTER OF THE N/S
RUNWAY. A HARDENED PARKING AREA IS LOCATED AT THE CENTER OF
THE N/S RUNWAY AND A TURNAROUND AREA IS LOCATED AT THE EAST END
OF THE E/W RUNWAY. THE OPERATIONS/TERMINAL BUILDING IS LOCATED
AT THE PARKING AREA AT THE CENTER OF THE N/S RUNWAY. GROUND
SCARRING MAY INDICATE POSSIBLE POSITIONING OF HARDSTANDS OR
SUPPORT FACILITIES. THE AIRFIELD IS SECURED BY A SINGLE
IRREGULAR FENCE.

25X1D

AIR ORDER OF BATTLE:

NONE PRESENT

25X1D

IMAGE DERIVED COORDINATES:

25X1D

MAP SOURCE REFERENCE:
ONC P-3

WWIPR CODES

<u>Status (STA:)</u>	<u>OB</u>	<u>Interpretability</u>
NEG - Negated	MIS: Missiles	E - Excellent
UCO - Under Const	AOB: Air	G - Good
COM - Complete	NVL: Naval	F - Fair
UKN - Unknown	GFW: Grd Force	P - Poor
NOP - Not Oprtl	ELC: Electronic	
OPR - Operat'l	AAA: Antiair	<u>Conditions</u>
OCC - Occupied	OBJ: Assoc Objs	CL - Clear
UNP - Unoccupied		SC - Scattered Cloud
ABN - Abandoned	<u>Mode</u>	HC - Heavy Cloud
RMV - Removed	W - Stereo/Blk & White	HA - Haze
TRN - Transitory	P - Part Stereo/ Blk & White	SN - Snow
DMG - Damaged	B - Mono Blk & White	SH - Shadow
DST - Destroyed	S - Stereo/Color	OL - Obliquity
	A - Part Stereo/ Color	SD - Semi- darkness
<u>General</u>	C - Mono Color	HD - Heavy Dust/ Smoke
IMR: Image Ref (Photo Ref)	D - Camouflage Detection	<u>Coverage</u>
DES: Description	F - Infrared	C - Complete
RMK: Remarks	R - Radar	P - Partial
IDC: Image Derived Coord.	N - Nonstandard	O - Oblique
MPR: Map Ref		V - Vertical
DFC: Defenses/ Security		

